

Sony International (Europe) GmbH
Sony Corporation

5

Abstract

10 A modulation identification device can be used for detecting the modulation type of a wirelessly transmitted and modulated RF signal without a-priori information on the kind of modulation used. The modulation identification device (1) comprises a n-port junction (17), n being an integer equal to or larger than three. The n-port junction (17) is supplied with the modulated RF signal (2) and a second RF signal (3) from a local oscillator. The n-port junction (17) outputs at least one third RF signal to at least one
15 power detector (18). A signal processing unit (6) processes the power detected output of the n-port junction (17) to generate at least one flag (10) indicating the identified modulation type.

(Fig. 1)